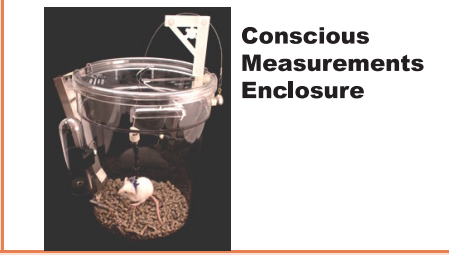




NON-INVASIVE VITAL SIGNS MONITOR FOR CONSCIOUS UNRESTRAINED MICE AND RATS



benefits

Better Data:

- Arterial O₂ Saturation:
 - Gives a comprehensive picture of health
 - Indicates lung efficiency not just airflow
- Monitor real-time physiological changes
- Non-Invasive - animals are not altered/harmed

Cost savings:

- 1 piece of equipment for up to 16 subjects during 1 test
- 1 piece of equipment provides 6 key physiological parameters
- Same equipment works on subjects from neonates to adults
- Quick, easy, accurate way to assess subject health



non-invasive longitudinal studies

- Influenza, Pneumonia, RSV & Other Acute Respiratory Disorders
- Lung Injury & Mechanical Ventilation
- Lung Cancer, COPD, Sleep Apnea & Other Chronic Respiratory Disorders
- Shock Models
- Stroke & Brain Injury
- Hypertension, Hypotension & Other Cardiovascular Disorders
- Hypoxia & Inhalation Studies
- Vital Signs Monitoring During Imaging
- Vital Signs Monitoring During Surgery & Experiments Requiring Anesthesia
- Pharmacology & Toxicology

Multiplexer™

- Monitor up to 16 subjects **one-at-a-time** from one MouseOx® Plus unit



CollarClip™

- Monitor freely roaming subjects
- Allows conscious monitoring of:
 - Arterial O₂ Saturation
 - Heart Rate
 - Breath Rate



Conscious Measurements Enclosure

- Mobile measurements enclosure with counterbalance and auto-commutation
- Free roaming up to 8 hours with no coiling of wires





Benefits

Better Data:

- Arterial O₂ Saturation:
 - Gives a comprehensive picture of health
 - Indicates lung efficiency not just airflow
- Immediate access to physiological changes
- Non-Invasive - animals are not altered/harmed

Cost savings:

- 1 piece of equipment for up to 16 subjects during 1 test
- 1 piece of equipment provides 6 key physiological parameters
- Same equipment works on subjects from neonates to adults
- Quick, easy, accurate way to assess subject health



Animal Welfare

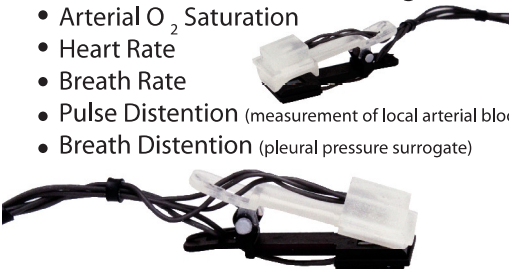
- Alarms for each vitals sign
- Alarms for anesthesia levels
- Monitor heart rate, breath rate, SpO₂ & temperature
 - non-invasive = animal not harmed
 - pre- intra & post operative assessments
- MRI sensor available

*upgradable to data analysis software



Thigh/FootSensor

- Easily applied
- Monitor hypothermic & hypovolemic animals
- Allows continuous monitoring of:
 - Arterial O₂ Saturation
 - Heart Rate
 - Breath Rate
 - Pulse Distention (measurement of local arterial blood flow)
 - Breath Distention (pleural pressure surrogate)



CollarClip™ Sensor

- Monitor freely roaming subjects
- Allows continuous monitoring of:
 - Arterial O₂ Saturation
 - Heart Rate
 - Breath Rate



ThroatClip™ Sensor



- Monitor hypothermic & hypovolemic animals
- Allows continuous monitoring of:
 - Arterial O₂ saturation
 - Heart Rate
 - Breath Rate
 - Pulse Distention (measurement of local arterial blood flow)